

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/04862

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H01L41/09 H04R17/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04R H01L F02M H02N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/47041 A (LENEL URSULA RUTH ; SHEPHERD MARK RICHARD (GB); 1 IPR LTD (GB); HOOLEY) 28 June 2001 (2001-06-28) cited in the application	1-5, 7-10, 17, 27, 28, 37
Y	page 10, line 15-20; figures 3, 28, 58	6, 21-26, 33-36, 38-45
	page 11, line 2 -page 12, line 8 page 31, line 1 -page 32, line 7	
Y	US 4 633 122 A (RADICE PETER F) 30 December 1986 (1986-12-30) column 3, line 49-60; figure 7	6, 26, 41-43
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

17 September 2004

Date of mailing of the international search report

30/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Laenen, R

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/04862

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 10, 31 October 1997 (1997-10-31) -& JP 09 148643 A (SONY CORP), 6 June 1997 (1997-06-06)	1,11-16, 27-30
Y	figures 1,12 of the application and abstract ----	38-45
Y	US 2002/067841 A1 (BANK GRAHAM ET AL) 6 June 2002 (2002-06-06) paragraphs '0058!,'0059!; figure 6 ----	21-26, 33-36
P,X	WO 02/103451 A (LENEL URSULA RUTH ; ALLAN JAMES (GB); 1 LTD (GB); HOOLEY ANTHONY (GB);) 27 December 2002 (2002-12-27) page 7, line 8 -page 11, line 11; figures 1-3 ----	1-4,7-9, 11-14, 16,17
X	US 3 816 774 A (MIYAJIMA S ET AL) 11 June 1974 (1974-06-11) column 4, line 15-55; figures 8,10,20 column 8, line 42 -column 9, line 67 column 14, line 13 -column 15, line 42 column 16, line 63 -column 17, line 7 -----	1,7-14, 16,17

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/04862

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0147041	A	28-06-2001	AU 2016501 A	03-07-2001
			AU 2016801 A	03-07-2001
			CN 1434985 T	06-08-2003
			EP 1240676 A2	18-09-2002
			WO 0147041 A2	28-06-2001
			WO 0147318 A2	28-06-2001
			GB 2364169 A ,B	16-01-2002
			GB 2376834 A ,B	24-12-2002
			JP 2003518752 T	10-06-2003
			US 2004017129 A1	29-01-2004
			US 2003095678 A1	22-05-2003
US 4633122	A	30-12-1986	EP 0262248 A1	06-04-1988
			AU 598754 B2	05-07-1990
			AU 6343386 A	14-04-1988
			DE 3688078 D1	22-04-1993
			DE 3688078 T2	05-08-1993
JP 09148643	A	06-06-1997	NONE	
US 2002067841	A1	06-06-2002	AT 250841 T	15-10-2003
			AU 5431299 A	21-03-2000
			BG 105262 A	31-08-2001
			BR 9913317 A	22-05-2001
			CA 2341867 A1	09-03-2000
			CN 1313020 T	12-09-2001
			DE 69911625 D1	30-10-2003
			DE 69911625 T2	01-07-2004
			EP 1108345 A1	20-06-2001
			WO 0013464 A1	09-03-2000
			HK 1034013 A1	19-12-2003
			HU 0103471 A2	28-02-2002
			ID 27798 A	26-04-2001
			JP 2002524946 T	06-08-2002
			NO 20010988 A	27-04-2001
			NZ 509659 A	28-06-2002
			PL 346340 A1	11-02-2002
			SK 2712001 A3	10-07-2001
			TR 200100632 T2	23-07-2001
			TW 466884 B	01-12-2001
			ZA 200100761 A	27-08-2001
WO 02103451	A	27-12-2002	EP 1397722 A1	17-03-2004
			WO 02103451 A1	27-12-2002
US 3816774	A	11-06-1974	JP 858504 C	16-05-1977
			JP 48080286 A	27-10-1973
			JP 51032516 B	13-09-1976
			JP 858505 C	16-05-1977
			JP 48080287 A	27-10-1973
			JP 51032517 B	13-09-1976
			JP 858506 C	16-05-1977
			JP 48080288 A	27-10-1973
			JP 51032518 B	13-09-1976
			JP 842273 C	28-01-1977
			JP 48080290 A	27-10-1973
			JP 51013635 B	01-05-1976
			JP 48081569 A	31-10-1973

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/04862

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 3816774	A	JP 48087943 A	19-11-1973
		JP 48090195 A	24-11-1973
		JP 865857 C	23-06-1977
		JP 48090723 A	27-11-1973
		JP 51036066 B	06-10-1976
		JP 48094382 A	05-12-1973
<hr/>			